

bent can be made from cellulosic fibers, wood pulp, textile fibers or from other absorbent materials known to those skilled in the art. Superabsorbents, commonly in solid form and in the shape of small particles, granules, flakes, etc., can be mixed, combined, attached, printed or otherwise added to the absorbent material to increase the absorbent capacity of the absorbent. A surge layer 276 can also be optionally used, which is normally positioned between the bodyside liner 264 and the absorbent assembly 260. The surge layer 276 can function to rapidly acquire and temporarily retain body fluid, such as urine, before it can be absorbed into the absorbent. Desirably, the surge layer 276 is also capable of wicking body fluid lengthwise and/or widthwise across its surface as well as directing the body fluid downward in a z-direction, toward the absorbent.

[0097] The undergarment 14 further includes a waistband 288 secured to the front and back end edges 230 and 232. A portion of the waistband 288 overlaps each of the front and back waist regions 252 and 254 and projects outward therefrom. The waistband 288 can be described as extending outward from the front and back end edges 230 and 232 in a cantilevered configuration.

[0098] The waistband 288 can be constructed from almost any elastic material having stretch and retraction capabilities. A desirable nonwoven material from which the waistband 288 can be constructed is spunbond. The waistband 288 can be a laminate containing a first layer, a second layer and two or more elastic strands positioned therebetween. The outer two layers can be constructed or formed from a woven or a nonwoven material, a natural or synthetic material, an elastic film, a thermoplastic film, or from any other material known to those skilled in the art. The number of elastic strands positioned between the two outer layers can vary depending upon the width of the waistband 288. The elastic strands can be formed from LYCRA brand elastic available from Invista of Wichita, Kans., U.S.A.

[0099] The undergarment 14 further includes a pair of side seams (not shown) that function to join, bond and/or secure the front waist region 252 to the back waist region 254. The pair of side seams extends through the waistband 288 as well to form a unitary undergarment. By "unitary" it is meant that the undergarment 14 is designed to be stepped into by a wearer and the undergarment 14 is then pulled up along the wearer's legs and thighs and positioned around the wearer's torso. There is no need to first open a unitary undergarment before it is applied to a wearer's body. The unitary undergarment 14 has a longitudinal centerline 240, a waist opening 246, and a pair of leg openings 248.

[0100] The undergarment 14 further includes leg elastic members 268, each of which at least partially surrounds the pair of leg openings 248. The elastic members 268 can consist of one or more elastic strands. Each of the elastic members 268 can be formed as a continuous or a non-continuous member. In FIG. 4, each of the elastic members 268 is depicted as two separate and distinct members that are spaced apart from one another. However, a single elastic member 268, consisting of two or three elastic strands, could be employed that extend from one side seam to the opposite side seam.

[0101] The undergarment 14 can also include leg cuffs or leg flaps (not shown), each of which at least partially surrounds the pair of leg openings 248, to better seal the leg openings 248 against leakage. The leg cuffs can also include

elastic members consisting of one or more elastic strands. Each of the elastic members can be formed as a continuous or a non-continuous member.

[0102] The absorbent assembly 260 can be in a variety of shapes and configurations as are known in the art, such as rectangular, hourglass shaped, l-shaped, and the like. The absorbent assembly 260 has opposed lateral edges 261 and opposed longitudinal ends 263. The lateral edges 261 and longitudinal ends 263 together make up the perimeter 265 of the absorbent assembly 260.

[0103] The leakage prevention element 20 is positioned within the adult garment 14 so that urine or other body exudates filling the absorbent assembly 260 contacts the leakage prevention element 20 prior to completely filling and eventually leaking from the adult garment 14. Thus, the leakage prevention element 20 is disposed with or near the absorbent assembly 260 so that urine or other body exudates contacting the absorbent assembly 260 will also eventually contact the leakage prevention element 20. Most desirably, the leakage prevention element 20 is disposed on the bodyside of the absorbent assembly 260 so as to be sandwiched between the absorbent assembly 260 and the bodyside liner 264. In this way, the physical sensation resulting from the leakage prevention element 20 is more easily noticed by the wearer.

[0104] In another aspect of the present disclosure (not shown), the leakage prevention element 20 can be located within the absorbent assembly 260 or beneath the absorbent assembly 260. The leakage prevention element 20 can also be positioned on the leg cuffs or containment flaps or in any other suitable position in the adult garment 14, as long as fluid communication is provided between the absorbent assembly 260 and the leakage prevention element 20. Leakage prevention elements 20 can be positioned on the flaps, positioned as a single web at the center of the flaps, slit with the flaps, or placed at the flap base. The leakage prevention element 20 can also be placed near the flap elastic members so that the substances are encapsulated in the flap material, not allowing the particle material to fall out. In addition, leakage prevention elements 20 can be positioned in more than one location within the adult garment 14. The leakage prevention element 20 can be maintained in position by bonding, using adhesives, ultrasonic bonds, or other suitable means.

[0105] One or more leakage prevention elements 20 can be disposed in the adult garment 14. As illustrated in FIG. 4, a pair of leakage prevention elements 20 is positioned on opposite sides of the longitudinal centerline 241 and spaced apart from the intersection of the longitudinal and transverse centerlines 241, 243 along the transverse centerline 243. Similarly, a pair of leakage prevention elements 20 can be positioned on opposite sides of the transverse centerline 243 and spaced apart from the intersection of the longitudinal and transverse centerlines 241, 243 along the longitudinal centerline 241 (not shown). In another aspect, leakage prevention elements 20 can be positioned at each of the points at which a centerline meets the perimeter 265 of the absorbent assembly 260 (not shown). In still another aspect, the leakage prevention elements 20 can be positioned completely or partially along the entire absorbent assembly perimeter 265 (not shown).

[0106] The position and/or structure of the leakage prevention elements 20 should be such that the leakage prevention elements 20 come in contact with urine or other bodily waste as the absorbent assembly 260 fills but prior to any leakage from the absorbent assembly 260. The leakage prevention